

JS -103 Polycarboxylate superplasticizer

50% (High Rang Water reducing type)

Product Description

JS-103 is a new generation of high performance polycarboxylic acid superplasticizer was prepared from methyl allyl alcohol polyoxyethylene ether macromonomer by free radical polymerization, it is containing 50% solid content. It has a higher water reduction rate and a certain slump protection function, to ensure the excellent working performance of concrete, higher strength and excellent durability, mainly used for export, transport distance is relatively long mother liquor customers.



Product Feature

- 1.The higher water reduction rate can reach more than 40%.
- 2.Low viscosity and low thixotropy, It is more suitable for concrete with low water cement ratio

Product Specification

Item	Unit	Standard
Appearance	--	clear or light yellow liquid
Fluidity	mm	≥240
Density	g/cm ³	1.02-1.05
Solid Content	%	50% ± 1.5
PH Value	--	5-7
Water Reducing Rate	%	≥25
Air Content	%	≤3.0
Atmospheric Pressure Bleeding rate	%	≤20

Pressure Bleeding Rate		%	≤90
Chlorine Ion(Based on Solids)		%	≤0.1
Alkali Content (Based on Solids)		%	≤5.0
Sodium Sulphate Content		%	≤5.0
Formaldehyde Content		%	≤0.05
Shrinkage		%	≤110
Concreting Time	First Concreting	min	-90~+120

Application

1. suitable for the early strength concrete, retarded concrete, precast concrete, cast-in-place concrete, flow concrete, self-compacting concrete, mass concrete, high-performance concrete and faced concrete, all kinds of industrial and civil buildings in the mix and cast-in-place concrete, especially for low-grade commercial concrete.

2.It can be widely used in high-speed railways, nuclear power, water conservancy and hydropower projects, subways, large Bridges, high expressways, harbors and wharves and other national large and key projects

3. Applicable to all kinds of industrial and civil construction and commercial concrete mixing station

4. Suitable for the export and long-distance transportation



HOW TO USE

1. This product is a colorless or light yellow liquid. recommended dosage as below:generally , 5%-30% of mother liquor is used to mix other small materials to make water-reducing agent.The dosage of water-reducing agent is generally 1% ~ 3% of the total weight of cementitious materials.
2. Before use of this product or changing the type and batch of cement and gravel, it is necessary to carry out adaptability test with cement and gravel. According to the test, formulate the proportion of water reducing agent.
3. This product can be used alone or combined with slow-release mother liquor to reduce concrete slump loss (compared with JS-101B, the usage amount of slow-release mother liquor needs to be reduced); Or compound with functional auxiliaries to get admixtures with retarder/early strength/antifreeze/pumping functions. The application method and conditions should be determined by testing and compounding technology.
4. This product can be used together with other kinds of admixtures such as early strength agent, air entraining agent, retarder, etc., and should be tested before use. Do not mix with naphthalene series water reducer.
5. Concrete cement and mix ratio should be determined by test, When using, mixed and measured water should be added or added to the concrete mixer at the same time. Before using, the mixing test should be carried out to ensure the quality of the concrete.
6. When there are active admixtures such as fly ash and slag in the ratio of concrete, the amount of water-reducing agent should be calculated as the total amount of cementitious materials.

Packing & Delivery

Package: 220kgs/drum, 24.5 tons/Flexitank ,1000kg/IBC or upon request

Storage: Stored at ventilated dry warehouse of 2-35 °C and packaged intact, without unsealing, shelf life is one year. Protect from direct sunlight and freezing

